

SECRET**PRIOR**

OUT 64577

1968 MAR 13 04 18Z

Declassification Review by NGA

P 130406Z MAR 68

FM NPIC WASHDC

TO DIA

BT

SECRET CITE NPIC 3231

REF: S-0134-XX-2, 23 FEBRUARY 1968

SUBJ: EVALUATION OF MISSION BU Q00639 FLOWN 29 NOVEMBER 1967.

1. NO CAMERA UNIT NUMBER OR VEHICLE NUMBER WAS RECORDED IN THE DATA BLOCK OF THIS MISSION. ONLY THE SORTIE AND SCORER NUMBER 50 WERE GIVEN. PROCESSING WAS ACCOMPLISHED BY THE 7TH AIR FORCE.

2. EVALUATION OF ORIGINAL NEGATIVE:

A. EXPOSURE/RESOLUTION: THE EXPOSURE WAS ADEQUATE TO SLIGHTLY UNDEREXPOSED AND THE RESOLUTION WAS POOR. QUALITY OF THE IMAGERY SEEMS TO BE AFFECTED BY A VEILING OF THE OPTICS AND/OR A SEVERE HAZE CONDITION. NO IMAGERY OF GOOD QUALITY WAS DETECTED THROUGHOUT THE MISSION AND THE MATERIAL HAD AN EXTREMELY GRAINY APPEARANCE.

B. CAMERA OPERATION: BANDING CAUSED BY ERRATIC SHUTTER MOVEMENT WAS PRESENT THROUGHOUT THE MISSION. IN ALL OTHER RESPECTS THE CAMERA APPEARS TO HAVE FUNCTIONED PROPERLY AND THE DATA RECORDING WAS ADEQUATE.

C. OTHER DEGRADATIONS: A 0.5 INCH WIDE BAND COMPRISED OF PLUS AND MINUS DENSITY STREAKS RUNS PARALLEL TO THE MAJOR AXIS OF THE FILM THROUGHOUT THE MISSION. THIS BAND IS LOCATED 3.5 INCHES FROM THE NON-DATA BLOCK EDGE OF THE FILM. FRAME 11 CONTAINS A PLUS DENSITY STREAK 4.2 INCHES LONG BEGINNING AT THE TAKE-UP EDGE OF THE FORMAT ORIENTED PARALLEL TO THE MAJOR AXIS OF THE FILM AND LOCATED ABOUT 3.5 INCHES FROM THE NON-DATA BLOCK EDGE OF THE FILM. FRAME 20 CONTAINS A SIMILAR PLUS DENSITY STREAK 3.0 INCHES LONG ORIENTED IN A SIMILAR FASHION. FRAMES 1542 THRU 1568 HAVE A WAVERING PLUS DENSITY STREAK RUNNING ALONG THE MAJOR AXIS OF THE FILM APPROXIMATELY 1.0 INCH FROM THE NON-DATA BLOCK EDGE OF THE FILM. THESE STREAKS ARE ALSO PRESENT IN THE METERING SPACES BETWEEN FRAMES. RANDOM MINUS DENSITY SPOTS WERE NOTED THROUGHOUT THE MISSION. THESE CAUSE ONLY MINOR DEGRADATION. THE FIRST THREE FRAMES CONTAIN EMULSION GOUGES AND A SMALL EMULSION LIFT IS PRESENT IN FRAME 295. HEAT SPLICES ARE PRESENT BETWEEN FRAMES 560/561 AND 1162/1163. HANDLING MARKS WERE NOTED IN FRAME 1162 AND AN ULTRASONIC SPLICE EXISTS IN FRAME 1386. A 1.0 INCH WIDE STREAK OF FOG BEGINS 2.0 INCHES FROM THE DATA BLOCK EDGE OF FRAME 879. THE STREAK CURVES DOWN TO THE DATA BLOCK EDGE AND FOLLOWS THIS EDGE UNTIL FRAME 889. IT THEN CURVES TOWARD THE NON-DATA EDGE, REACHING THIS EDGE IN FRAME 890. THE FOG STREAK DECREASES TO A 0.5 INCH WIDTH ALONG THE NON-DATA FILM EDGE AND FINALLY TRACKS OFF THE FILM IN FRAME 909.

D. THE LAST TITLED FRAME IN THE MISSION IS 1712.

3. EVALUATION OF DUPLICATE POSITIVE:

A. PARTS ONE AND FOUR CONTAIN NUMEROUS PLUS DENSITY SPOTS. MANY OF THESE HAVE A MINUS DENSITY DOT IN THEIR CENTER

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AND IN SEVERAL CASES THIS DOT IS AN ORANGE COLOR. AN EXAMPLE OF AN ORANGE CENTERED SPOT IS PRESENT ON FRAME 317. THESE SPOTS APPEAR SIMILAR TO THOSE ASSOCIATED WITH RUST CONTAMINATION IN THE PROCESSING SOLUTIONS OR WATER SUPPLY. FRAMES 568 THRU 638 ARE DEGRADED BY A PROCESSOR STOPPAGE WHICH CAUSED 17 DENSITY CHANGES TO OCCUR ON THESE FRAMES. PROCESSING STREAKS ARE PRESENT IN FRAMES 577, 578, 631, 595 AND 603. FRAMES 631 THRU 634 CONTAINS A CREASE AND FINGER PRINTS ARE PRESENT ON THE MATERIAL IN FRAMES 637 AND 638. MINUS DENSITY STREAKS WERE NOTED ON FRAMES 1173 THRU 1179 AND 1546 THRU 1568.

B. PI SUITABILITY IS POOR DUE TO THE VEILED CONDITION OF THE IMAGERY.

C. CLOUDS OBSCURE OR DEGRADE APPROXIMATELY 50 PERCENT OF THE ENTIRE MISSIONS.

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END OF MESSAGE